

CITY OF SPRINGFIELD

INTER-OFFICE MEMORANDUM

ATTENTION OF MEMO TO FILE-SPILL NORTH JORDAN AT FREMONT DATE March 6, 1974

DEPARTMENT _____

At approximately 15:30 on Friday March 1, 1974, Corson, Pabst, and Lyman, while on routine surveillance, stopped by Fremont Avenue and North Jordan Creek. A fairly high concentration of a petroleum product was entering the stream via a closed storm sewer box. This situation was related to the Superintendent, Sanitary Engineer, and Associate Sanitary Engineer by radio. They arrived on the scene at about 15:45. 15:15

Further tracing upstream in the storm box revealed no active discharge of a petroleum product. However, a discharge pipe at the Missouri Highway Department Maintenance Center had apparently been actively discharging recently. No sign of petroleum could be seen at this discharge point, but a white substance, possibly emulsified oil, was in large quantities below point of discharge. Samples were taken here and at the point of entry to North Jordan Creek. A truck was borrowed from Sewer Maintenance and five bales of straw were bought at the Farmers Exchange on W. Commercial. This straw was scattered on top of the stream at point of entry to the stream and left over the weekend.

Upon inspection at 9:00 Monday March 4, 1974, the straw had blotted approximately 90%+ of the petroleum substance.

Pitchforks and rakes were borrowed from the tool shop at the Service Center and the saturated straw was removed from the stream and placed in a dump truck ~~to be hauled to the landfill at the~~ at the Service Center to be hauled to the Landfill.

SIGNED

Randy Lyman
Water Pollution Control Inspector

RL:cc

1400 BLOCK N. FREMONT

March 6, 1974

Mr. James D. Vieregg
Enforcement Division, Legal Branch
U.S. Environmental Protection Agency
1735 Baltimore
Kansas City, Missouri 64108

Dear Jim:

Enclosed you will find four samples which may facilitate or confuse your laboratory's search regarding the December 12, 1973 discharge here.

Another discharge has occurred, Friday, March 1, 1974. The location is exactly as shown on the maps I provided you when we met in conjunction with the Law and Enforcement Seminar at Drury College. The only difference is that entrapment and subsequent removal was effected at a much higher point on the stream than before due to lower flow and a natural underflow dam of pipe and leaves about 175 feet below (to the west of) Fremont Avenue.

The material discharged appeared to be oil, imparting a bright rainbow to dark film to an area of approximately 1,500 to 1,750 square feet. Three samples were taken Friday afternoon as follows:

- A. 3-1-74, 15:00, North Jordan Creek at Fremont Avenue. Flow actually entering North Jordan from storm box to north.
- B. 3-1-74, 15:15, Discharge pooled from storm box opening near Fremont Avenue and Thoman Street. This storm box runs east to west across State Highway Department property. The box was dry at the upper end.
- C. 3-1-74, 15:50, Same location as Sample A. Sample of scum buildup where wind had concentrated material on south side of stream surface.

Since the spilled material was being effectively self-contained at the time our surveillance personnel discovered it, no additional diking material was

1400 BLK N. FREMONT

Mr. James D. Viereggs
March 6, 1974
Page -2-

used. A straw cover was placed over the surface and with favorable weather conditions prevailing, removal to land burial was carried out Monday morning and an effective removal approaching 99+% was accomplished. No visible oil remained. Observations were made periodically Saturday and Sunday and one additional sample was taken Saturday at 09:00. Straw placed at the opening of the north to south storm box entering North Jordan had backed up a significant scum and this was the location of the fourth sample. Only this sample is in a one quart cubitainer. The three samples of 3-1-74 are in Teflon bottles. Some pictures were taken but are not yet back from developing. I will be happy to send these in the near future.

If we can be of any further assistance, please do not hesitate to call.

Yours truly,

Charles H. Criswell
Associate Sanitary Engineer
Water Pollution Control

CHC:cc

Enclosures (4)

cc: Mr. Jim Burris, Regional Engineer, Missouri Clean Water Commission